

FIG.1 COMPUTER NETWORK SYSTEM

COMMANDS	FUNCTIONS
HELO	START SENDING BY SMTP
MAIL	SPECIFY SENDER'S ADDRESS
RCPT	SPECIFY RECEIVER'S ADDRESS
DATA	START SENDING OF MAIL DATA
QUIT	END SMTP CONNECTION

FIG.2 BASIC COMMANDS OF SMTP

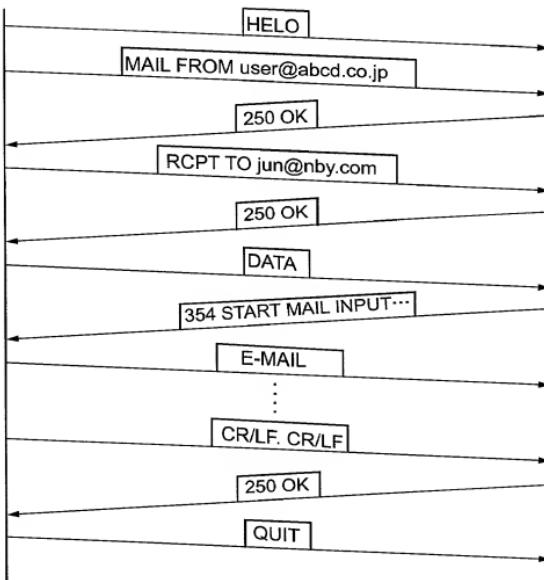


FIG.3 SEND E-MAIL BY SMTP

COMMANDS	FUNCTIONS
USER	SPECIFY USER NAME
PASS	SPECIFY PASSWORD
LIST	MAIL NO. AND SIZE RETURNED IN RESPONSE TO INQUIRY OF MAIL LIST
RETR	READ A MAIL OF SPECIFIED MAIL NO.
DELE	DELETE THE MAIL SPECIFIED
QUIT	EXECUTE UPDATING OF THE MAIL BOX, THEN END COMMUNICATION OF POP 3

FIG.4 BASIC COMMANDS OF POP3

TOTALS 0° 4607.860

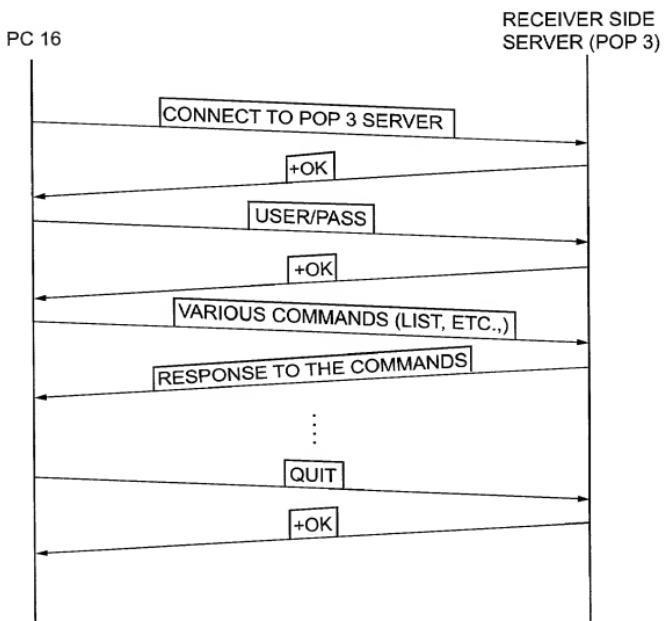


FIG.5 E-MAIL READOUT PROCEDURE BY POP 3

TOTOESO = トトエソ

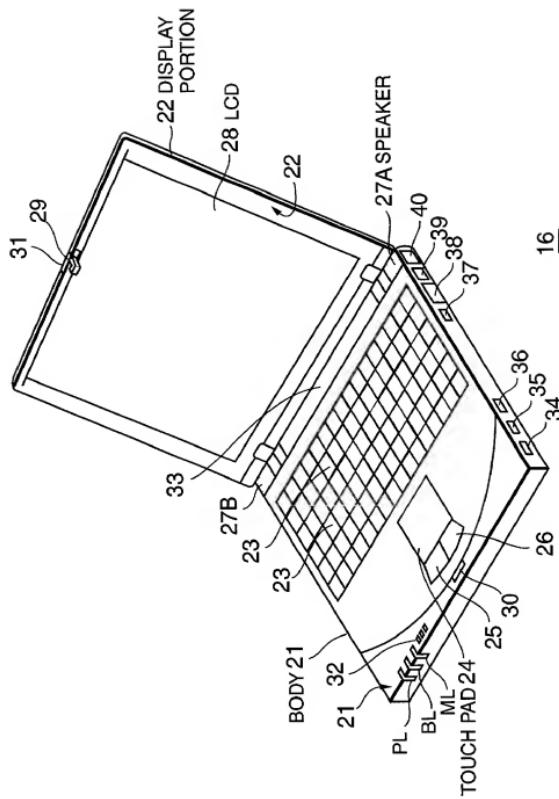


FIG.6 ARRANGEMENT OF PC

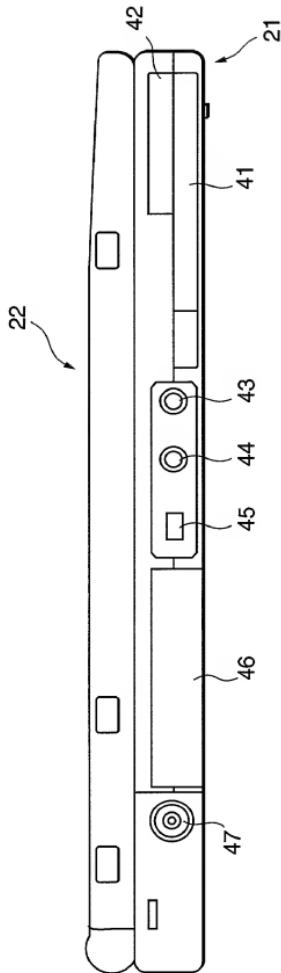


FIG.7 LEFT-HAND SIDE ARRANGEMENT OF PC

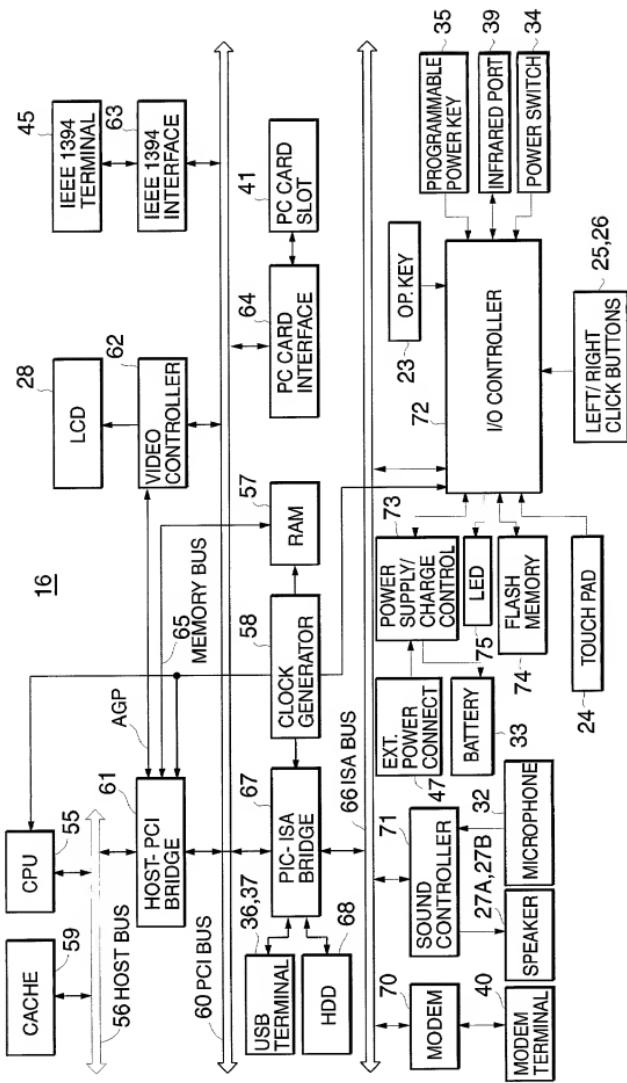


FIG.8 CIRCUIT CONFIGURATION OF PERSONAL COMPUTER

TOKUSO-16012860

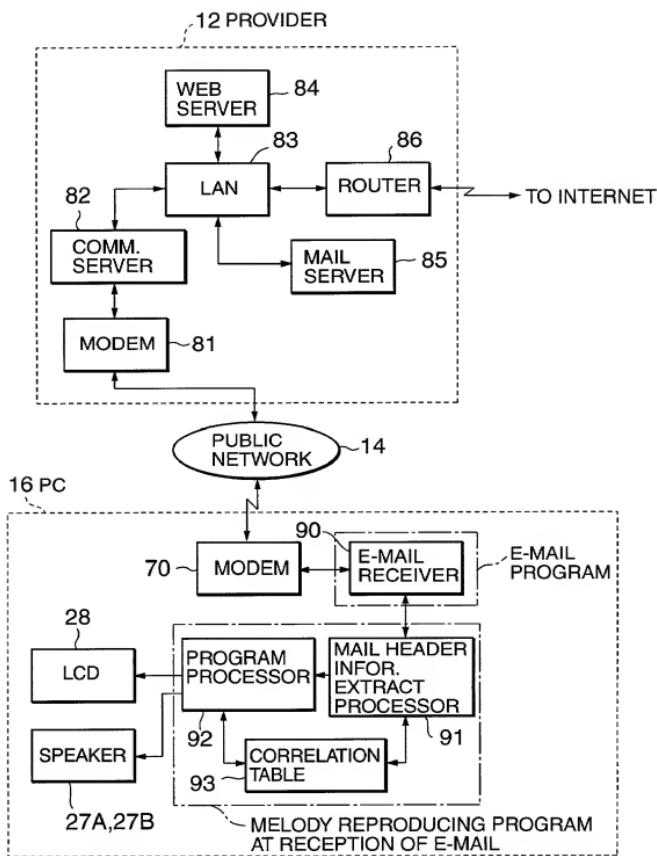


FIG.9 E-MAIL RECEIVE PROCESSING
BETWEEN PROVIDER AND PC

110

<input type="checkbox"/> RECEIVE MELODY CLUB!	<input type="checkbox"/>	<input checked="" type="checkbox"/>														
<input type="button" value="FILE(F) ADDRESS(A) REC. MELODY(M) TOOL(T) HELP(H)"/>																
<input type="button" value="REC. MELODY (M)"/>																
<input type="button" value="TITLES OF MUSIC"/>																
<input type="button" value="NAMES OF ARTISTS"/>																
<input)="" <="" td="" type="button" value="DON'T SOUND MELODY"/>																
<table border="1"> <tr> <td>Artist_A</td> <td></td> </tr> <tr> <td>Melody_A</td> <td></td> </tr> <tr> <td>Melody_B</td> <td>Artist_B</td> </tr> <tr> <td>Melody_C</td> <td>Artist_C</td> </tr> <tr> <td>MUSIC_1</td> <td>Artist_D</td> </tr> <tr> <td>MUSIC_2</td> <td>Artist_E</td> </tr> <tr> <td>MUSIC_3</td> <td>Artist_F</td> </tr> </table>			Artist_A		Melody_A		Melody_B	Artist_B	Melody_C	Artist_C	MUSIC_1	Artist_D	MUSIC_2	Artist_E	MUSIC_3	Artist_F
Artist_A																
Melody_A																
Melody_B	Artist_B															
Melody_C	Artist_C															
MUSIC_1	Artist_D															
MUSIC_2	Artist_E															
MUSIC_3	Artist_F															
<input type="button" value="MAIL ADDRESS (L)"/>																
<input type="button" value="DISPLAY ADDRESSES CONTAINING THE FOLLOWING CHARACTERS"/>																
<table border="1"> <tr> <td>NAMES</td> <td>ADDRESSES</td> </tr> <tr> <td>ABCDEF</td> <td>abc@def.hifi.com</td> </tr> <tr> <td>TEST</td> <td>test@abc.abcd.co.jp</td> </tr> <tr> <td>REC. MELODY TARO</td> <td>ukemono@test.abcd.co.jp</td> </tr> </table>			NAMES	ADDRESSES	ABCDEF	abc@def.hifi.com	TEST	test@abc.abcd.co.jp	REC. MELODY TARO	ukemono@test.abcd.co.jp						
NAMES	ADDRESSES															
ABCDEF	abc@def.hifi.com															
TEST	test@abc.abcd.co.jp															
REC. MELODY TARO	ukemono@test.abcd.co.jp															

111 MAIL ADDRESS DISPLAY PORTION

112 MUSIC FILE DISPLAY PORTION

FIG. 10 SET-UP SCREEN

TOTALS 0 " 4607860

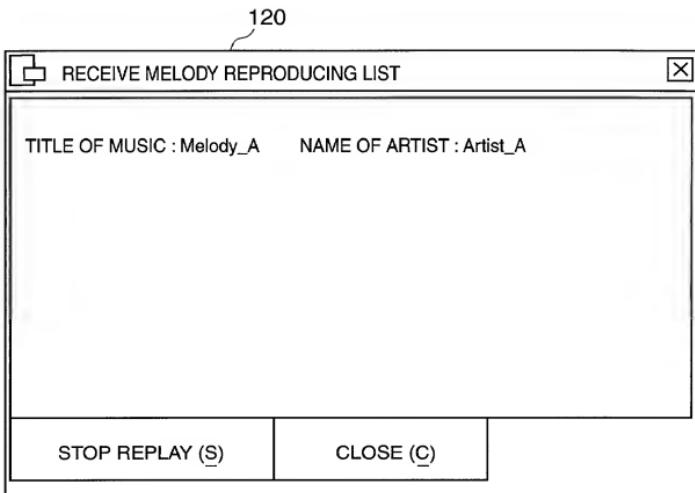


FIG.11 MUSIC TITLE DISPLAY SCREEN ON RECEIVING E-MAIL

TOTALS: 0504-04074860

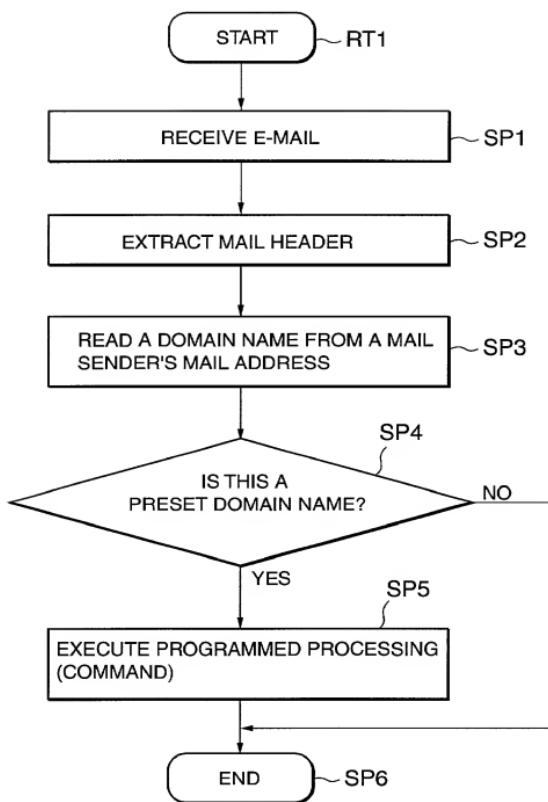


FIG.12 COMMAND EXECUTION PROCEDURE 1
ON RECEIVING E-MAIL

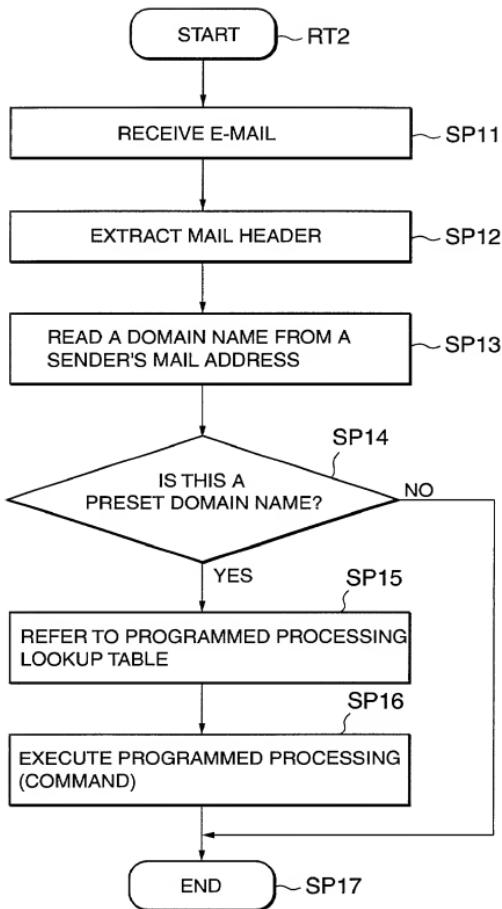


FIG.13 COMMAND EXECUTION PROCEDURE 2
ON RECEIVING E-MAIL

130

DOMAIN NAMES	FILES
abcd. co. jp	File A (Melody A, Artist A)
efgh. co. jp	File B (Melody B, Artist B)
• • • •	• • • •

FIG.14 PROGRAMMED PROCESSING LOOKUP TABLE
CORRESPONDING TO DOMAIN NAMES

TOTESD: 4600T/7860

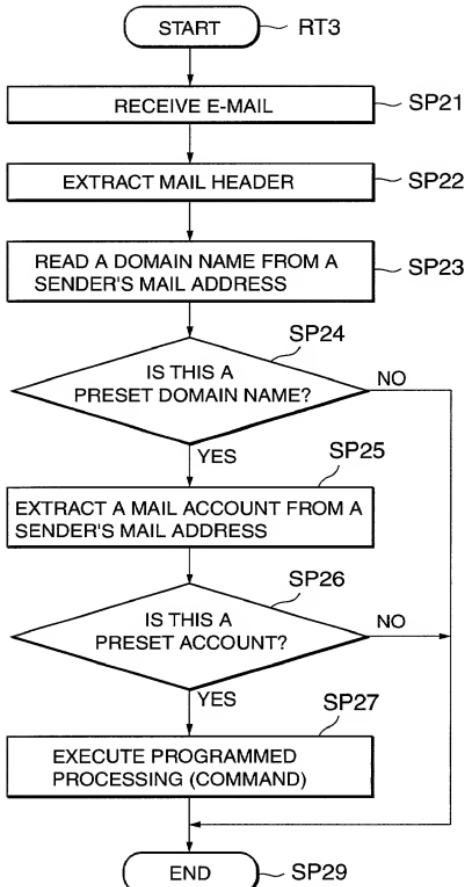


FIG.15 COMMAND EXECUTION PROCEDURE 3
ON RECEIVING E-MAIL

TOTESO : 416077860

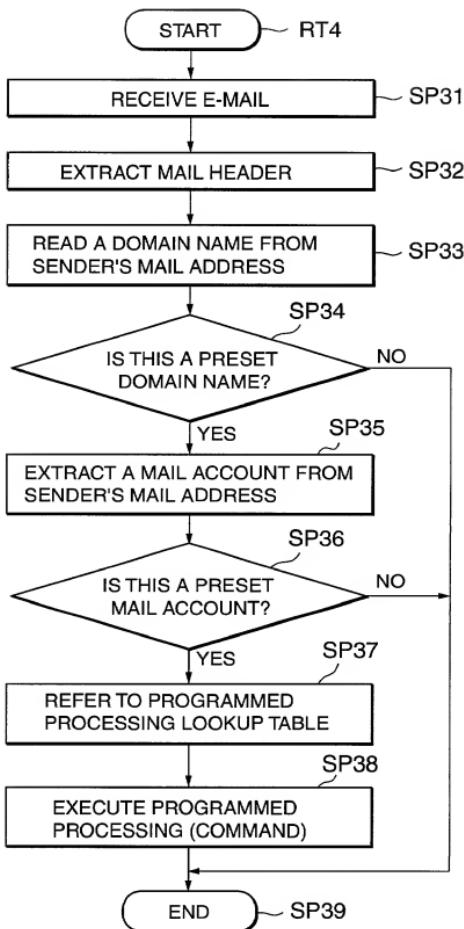


FIG.16 COMMAND EXECUTION PROCEDURE 4 ON RECEIVING E-MAIL

140

MAIL ACCOUNTS	CHARACTER STRINGS
ukemero	File A (Melody A, Artist A)
TEST	File 1 (MUSIC 1, Artist D)
ABCDEF	File 3 (MUSIC 3, Artist F)
⋮	⋮

FIG. 17 PROGRAMMED PROCESSING LOOKUP TABLE
CORRESPONDING TO MAIL ACCOUNTS

TOTSOS-THÔNG TIN

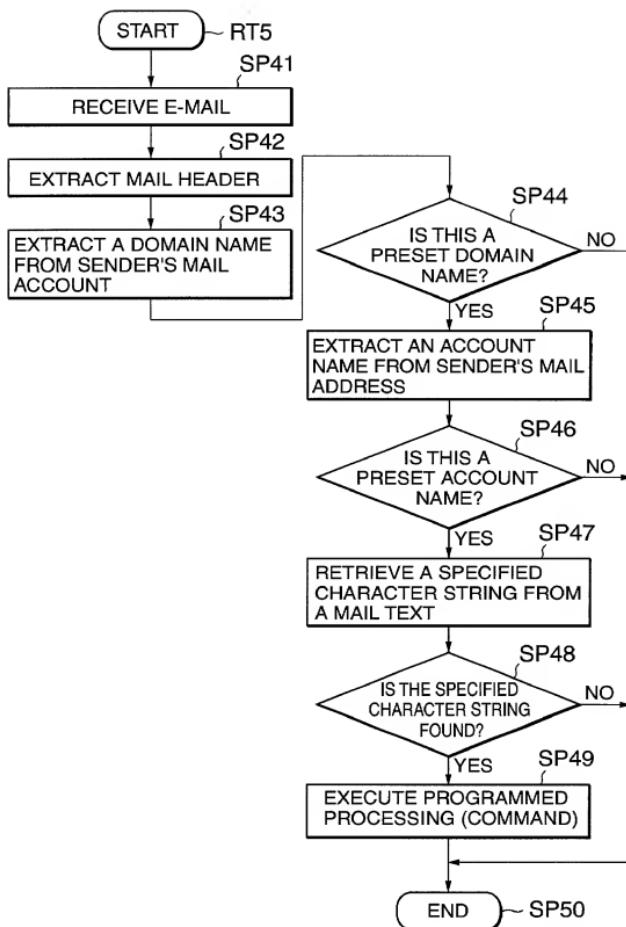


FIG.18 COMMAND EXECUTION PROCEDURE 5
ON RECEIVING E-MAIL

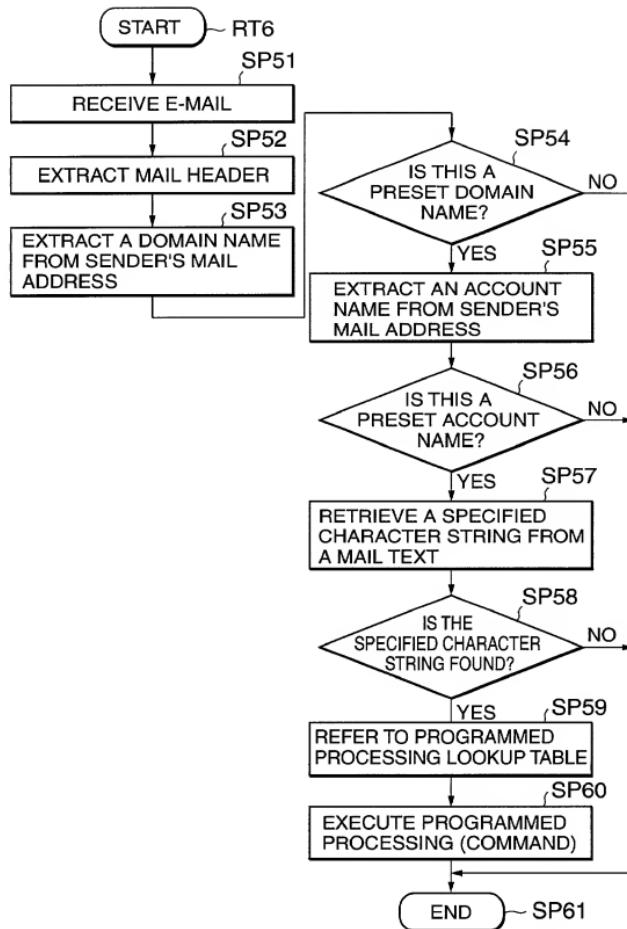


FIG.19 COMMAND EXECUTION PROCEDURE 6
ON RECEIVING E-MAIL

150

CHARACTER STRINGS	FILES
HELLO	File 5 (MUSIC 2, Artist E)
TARO YAMADA	File C (Melody C, Artist C)
⋮	⋮
⋮	⋮
⋮	⋮

FIG.20 PROGRAMMED PROCESSING LOOKUP TABLE
CORRESPONDING TO CHARACTER STRINGS

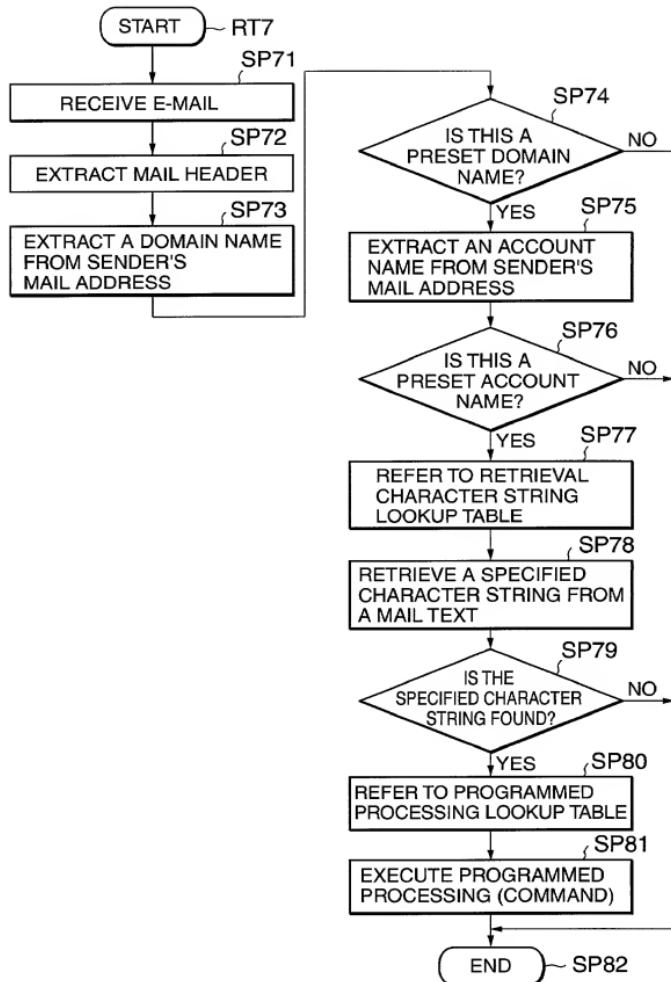


FIG.21 COMMAND EXECUTION PROCEDURE 7
ON RECEIVING E-MAIL

TUTTE50-HD07/860

160

MAIL ACCOUNTS	CHARACTER STRINGS
ukemero	HELLO
TEST	TARO YAMADA
ABCDEF	GOOD EVENING
⋮	⋮

FIG.22 RETRIEVAL CHARACTER STRING LOOKUP TABLE
CORRESPONDING TO MAIL ACCOUNTS

170

23/24

NO PRECEDING @)	MAIL ACCOUNT (CHARACTER STRING	COMMANDS	CONTENTS OF PROCESSING
1	URL ¥ ARGUMENT(=abc.defg.co.jp)	GetURL (ARGUMENT)	START THE BROWSER, THEN OPEN A WEB PAGE CORRESPONDING TO ARGUMENT (=abc.defg.co.jp)
2	SAY ¥ ARGUMENT(=HELLO_1)	SAY(ARGUMENT)	REPRODUCE A MUSIC FILE NAMED ARGUMENT (=HELLO_1) TO OUTPUT FROM THE SPEAKER
3	POP ¥ ARGUMENT(=MSG_A)	POPUP (ARGUMENT)	OPEN THE POPUP WINDOW, AND DISPLAY CONTENTS OF THE FILE NAMED ARGUMENT (=MSG_A)
4			

.....

FIG.23 PROGRAMMED PROCESSING LOOKUP TABLE ACCORDING TO
ANOTHER EMBODIMENT OF THE INVENTION

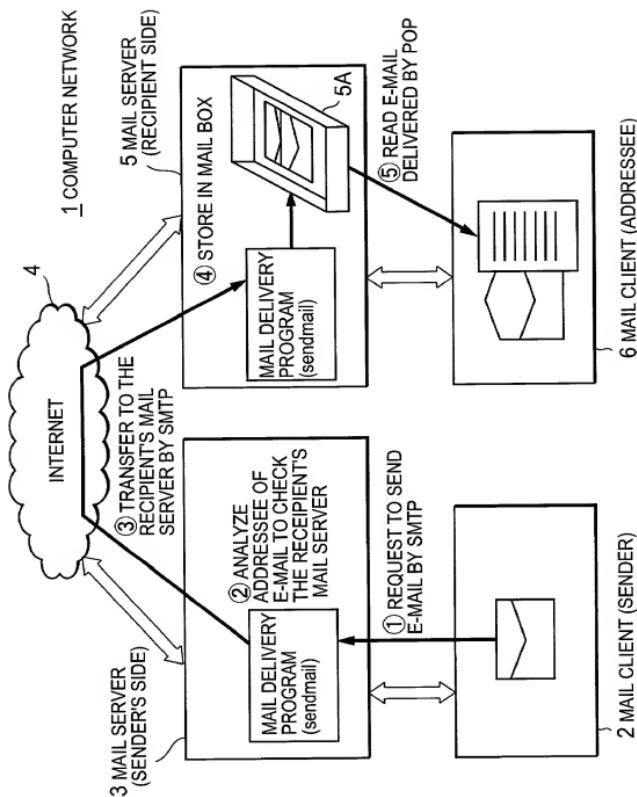


FIG.24 E-MAIL DELIVERY CONFIGURATION